

FIG. 1

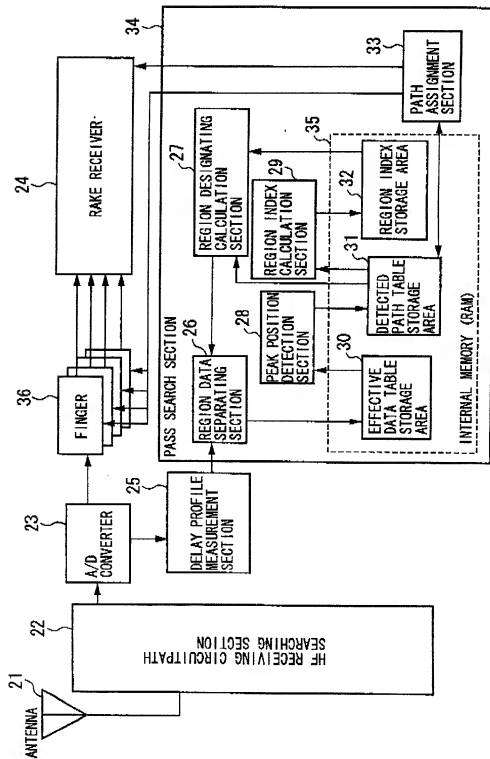
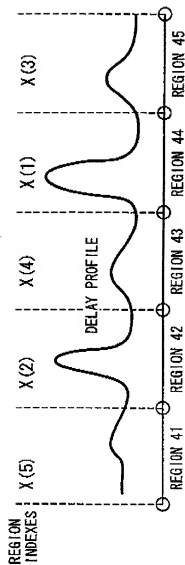
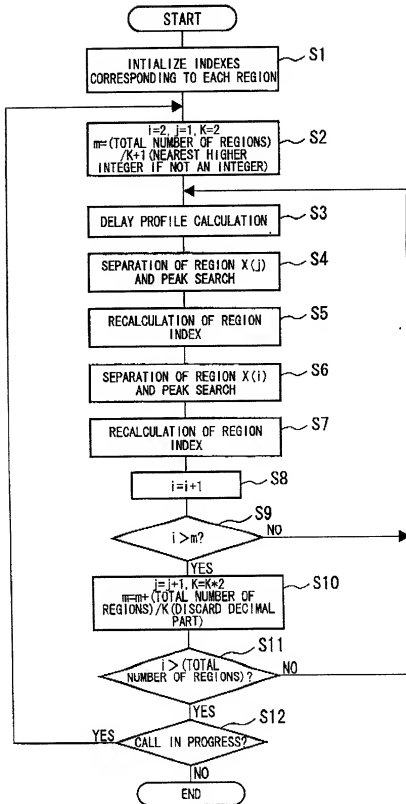


FIG. 2



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FIG. 3



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FIG. 4

31 DETECTED PATH TABLE STORAGE AREA

| PEAK/TOTAL | POSITION | PEAK POWER/POWER TOTAL | ASSOIGNMENT FLAG |
|------------|----------|------------------------|------------------|
| PEAK | 72 | 10 | 0 |
| TOTAL | — | 10 | |
| PEAK | 154 | 60 | 0 |
| TOTAL | — | 60 | |
| PEAK | 240 | 15 | 1 |
| TOTAL | — | 15 | |
| PEAK | 338 | 70 | 1 |
| TOTAL | — | 70 | |
| PEAK | 440 | 20 | 1 |
| TOTAL | — | 20 | |

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FIG. 5A

32 REGION INDEX STORAGE AREA

| REGION | INDEX |
|-----------|-------|
| REGION 41 | 1 |
| REGION 42 | 2 |
| REGION 43 | 3 |
| REGION 44 | 4 |
| REGION 45 | 5 |

FIG. 5B

| REGION | INDEX |
|-----------|-------|
| REGION 44 | 1 |
| REGION 42 | 2 |
| REGION 45 | 3 |
| REGION 43 | 4 |
| REGION 41 | 5 |

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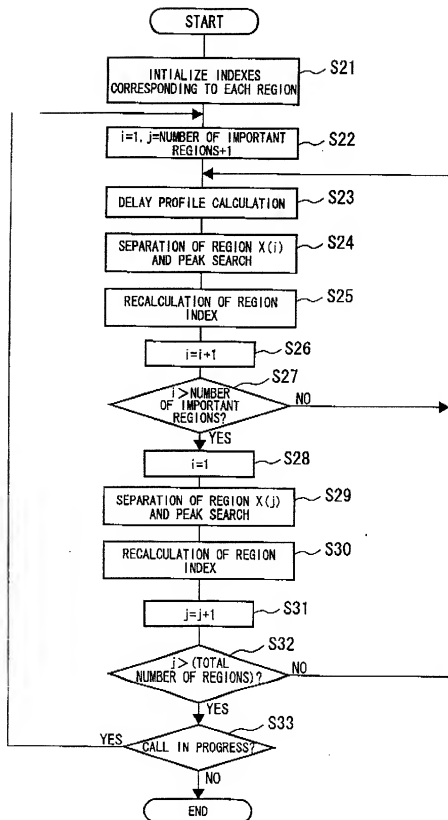
FIG. 6

| LOOP | j | i | K | m | X(1) | X(2) | X(3) | X(4) | X(5) |
|------|---|---|---|---|------|------|------|------|------|
| 1-1 | 1 | 2 | 2 | 4 | 41E | 42 | 43 | 44 | 45 |
| | | | | | ↓ | | | | |
| 1-2 | 1 | 2 | 2 | 4 | 41E | 42B | 43 | 44 | 45 |
| | | | | | ↘ | ↗ | | | |
| 2-1 | 1 | 3 | 2 | 4 | 42B | 41E | 43 | 44 | 45 |
| | | | | | ↓ | | | | |
| 2-2 | 1 | 3 | 2 | 4 | 42B | 41E | 43D | 44 | 45 |
| | | | | | ↘ | ↗ | | | |
| 3-1 | 1 | 4 | 2 | 4 | 42B | 43D | 41E | 44 | 45 |
| | | | | | ↓ | | | | |
| 3-2 | 1 | 4 | 2 | 4 | 42B | 43D | 41E | 44A | 45 |
| | | | | | ↘ | ↗ | | | |
| 4-1 | 2 | 5 | 4 | 5 | 44A | 42B | 43D | 41E | 45 |
| | | | | | ↓ | | | | |
| 4-2 | 2 | 5 | 4 | 5 | 44A | 42B | 43D | 41E | 45C |
| | | | | | ↘ | ↗ | | | |
| | | | | | 44A | 42B | 45C | 43D | 41E |

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FIG. 7



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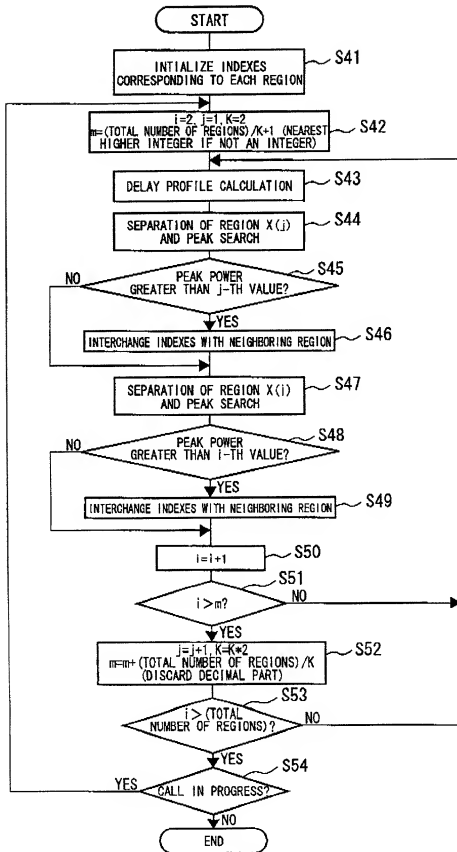
FIG. 8

| LOOP | i | j | n | X(1) | X(2) | X(3) | X(4) | X(5) |
|------|---|---|---|------|------|------|------|------|
| 1 | 1 | 4 | 3 | 41E | 42 | 43 | 44 | 45 |
| | | | | ↓ | | | | |
| 2 | 2 | 4 | 3 | 41E | 42B | 43 | 44 | 45 |
| | | | | ↘ | ↗ | | | |
| 3-1 | 3 | 4 | 3 | 42B | 41E | 43D | 44 | 45 |
| | | | | ↘ | ↗ | ↗ | | |
| 3-2 | 1 | 4 | 3 | 42B | 43D | 41E | 44A | 45 |
| | | | | ↘ | ↗ | ↗ | ↗ | |
| 4 | 1 | 4 | 3 | 44A | 42B | 43D | 41E | 45 |
| | | | | ↓ | | | | |
| 5 | 2 | 5 | 3 | 44A | 42B | 43D | 41E | 45 |
| | | | | ↓ | | | | |
| 6-1 | 3 | 5 | 3 | 44A | 42B | 43D | 41E | 45 |
| | | | | ↓ | | | | |
| 6-2 | 1 | 5 | 3 | 44A | 42B | 43D | 41E | 45C |
| | | | | ↘ | ↗ | ↗ | ↗ | |
| | | | | 44A | 42B | 45C | 43D | 41E |

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FIG. 9



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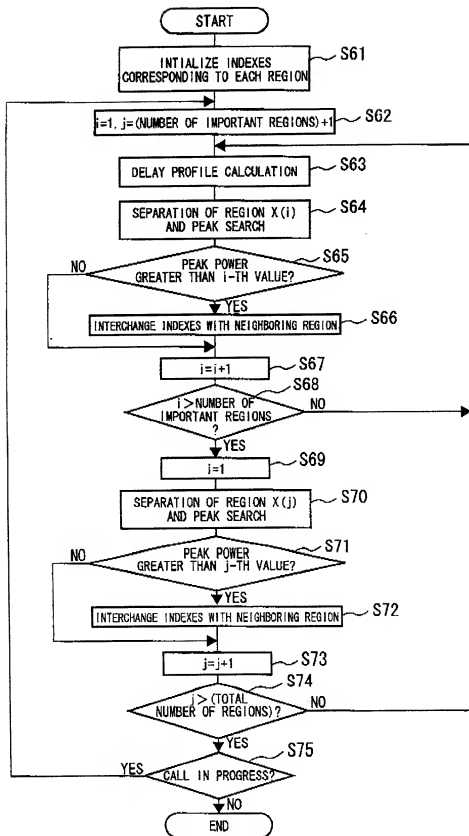
FIG. 10

| LOOP | j | i | K | m | X(1) | X(2) | X(3) | X(4) | X(5) |
|------|---|---|---|---|------|------|------|------|------|
| 1-1 | 1 | 2 | 2 | 4 | 41E | 42 | 43 | 44 | 45 |
| 1-2 | 1 | 2 | 2 | 4 | 41E | 42B | 43 | 44 | 45 |
| 2-1 | 1 | 3 | 2 | 4 | 42B | 41E | 43 | 44 | 45 |
| 2-2 | 1 | 3 | 2 | 4 | 42B | 41E | 43D | 44 | 45 |
| 3-1 | 1 | 4 | 2 | 4 | 42B | 43D | 41E | 44 | 45 |
| 3-2 | 1 | 4 | 2 | 4 | 42B | 43D | 41E | 44A | 45 |
| 4-1 | 2 | 5 | 4 | 5 | 42B | 43D | 44A | 41E | 45 |
| 4-2 | 2 | 5 | 4 | 5 | 42B | 43D | 44A | 41E | 45C |
| 5-1 | 1 | 2 | 2 | 4 | 42B | 43D | 44A | 45C | 41E |
| 5-2 | 1 | 2 | 2 | 4 | 42B | 43D | 44A | 45C | 41E |
| 6-1 | 1 | 3 | 2 | 4 | 42B | 43D | 44A | 45C | 41E |
| 6-2 | 1 | 3 | 2 | 4 | 42B | 43D | 44A | 45C | 41E |
| 7-1 | 1 | 4 | 2 | 4 | 42B | 44A | 43D | 45C | 41E |
| 7-2 | 1 | 4 | 2 | 4 | 42B | 44A | 43D | 45C | 41E |
| 8-1 | 2 | 5 | 4 | 5 | 42B | 44A | 45C | 43D | 41E |
| | | | | | 44A | 42B | 45C | 43D | 41E |

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FIG. 11



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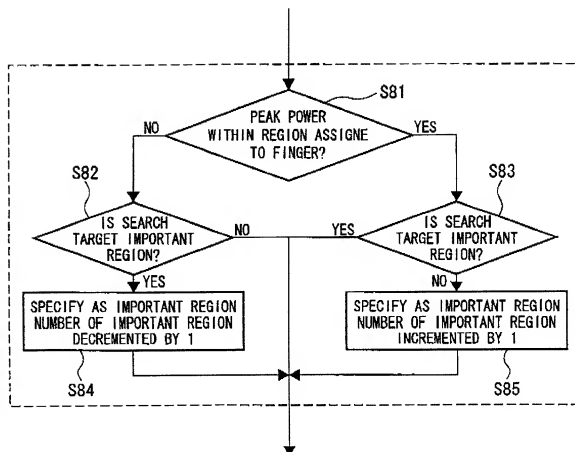
FIG. 12

| LOOP | i | j | n | X(1) | X(2) | X(3) | X(4) | X(5) |
|------|---|---|---|------|------|------|------|------|
| 1 | 1 | 4 | 3 | 41E | 42 | 43 | 44 | 45 |
| | | | | ↓ | | | | |
| 2 | 2 | 4 | 3 | 41E | 42B | 43 | 44 | 45 |
| | | | | ↘ | ↗ | | | |
| 3-1 | 3 | 4 | 3 | 42B | 41E | 43D | 44 | 45 |
| | | | | | ↘ | ↗ | | |
| 3-2 | 1 | 4 | 3 | 42B | 43D | 41E | 44A | 45 |
| | | | | | | ↘ | ↗ | |
| 4 | 1 | 4 | 3 | 42B | 43D | 44A | 41E | 45 |
| | | | | ↓ | | | | |
| 5 | 2 | 5 | 3 | 42B | 43D | 44A | 41E | 45 |
| | | | | | ↓ | | | |
| 6-1 | 3 | 5 | 3 | 42B | 43D | 44A | 41E | 45 |
| | | | | | ↘ | ↗ | | |
| 6-2 | 1 | 5 | 3 | 42B | 44A | 43D | 41E | 45C |
| | | | | | | ↘ | ↗ | |
| 7 | 1 | 4 | 3 | 42B | 44A | 43D | 45C | 41E |
| | | | | ↓ | | | | |
| 8 | 2 | 4 | 3 | 42B | 44A | 43D | 45C | 41E |
| | | | | ↘ | ↗ | | | |
| 9-1 | 3 | 4 | 3 | 44A | 42B | 43D | 45C | 41E |
| | | | | | | ↓ | | |
| 9-2 | 1 | 4 | 3 | 44A | 42B | 43D | 45C | 41E |
| | | | | | | ↘ | ↗ | |
| | | | | 44A | 42B | 45C | 43D | 41E |

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FIG. 13



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FIG. 14A

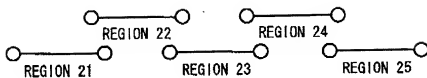
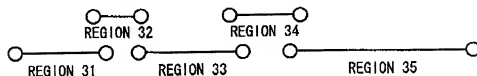


FIG. 14B



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